WCGT-AL

ZANHO Cutting Tools



Feature

ZANHO **WCGT-AL series**: High-precision **80° trigon positive inserts** specifically engineered for aluminum and non-ferrous alloys. Featuring a **large positive rake angle** and a **buffed mirror-**

polished rake face, these inserts provide exceptionally light cutting action and superior anti-adhesion properties. Ideal for high-speed external turning, internal boring, and face machining, ensuring an optical-grade surface finish and high dimensional accuracy.

Descriptions

Technical Advantages

- **Mirror-Polished Rake Face:** Significantly reduces cutting friction and prevents chip welding and built-up edge (BUE) in non-ferrous materials.
- **Large Positive Rake Geometry:** Ensures sharp and light cutting action, minimizing power consumption and tool vibration.
- **Open Profile Chipbreaker:** Optimized for stable chip curling and smooth evacuation even at high feed rates and finishing depths.
- **High Precision Ground Edges:** Delivers exceptional surface brightness and maintains strict dimensional tolerances.
- **80° Trigon Versatility:** Combines the strength of a square insert with the profiling capabilities of a rhombic insert, ideal for external and internal work.

WCGT-AL Dimensions (ISO Standard)

Model	Edge Length L (mm)	Thickness S (mm)	Bore D (mm)	Radius R (mm)
WCGT030208-AL	9.525mm	2.38mm	4.0mm	0.8mm
WCGT040208-AL	12.7mm	2.38mm	4.5mm	0.8mm
WCGT050308-AL	15.875mm	3.18mm	5.0mm	0.8mm
WCGT06T308-AL	19.05mm	3.97mm	6.0mm	0.8mm
WCGT080412-AL	25.4mm	4.76mm	7.5mm	1.2mm